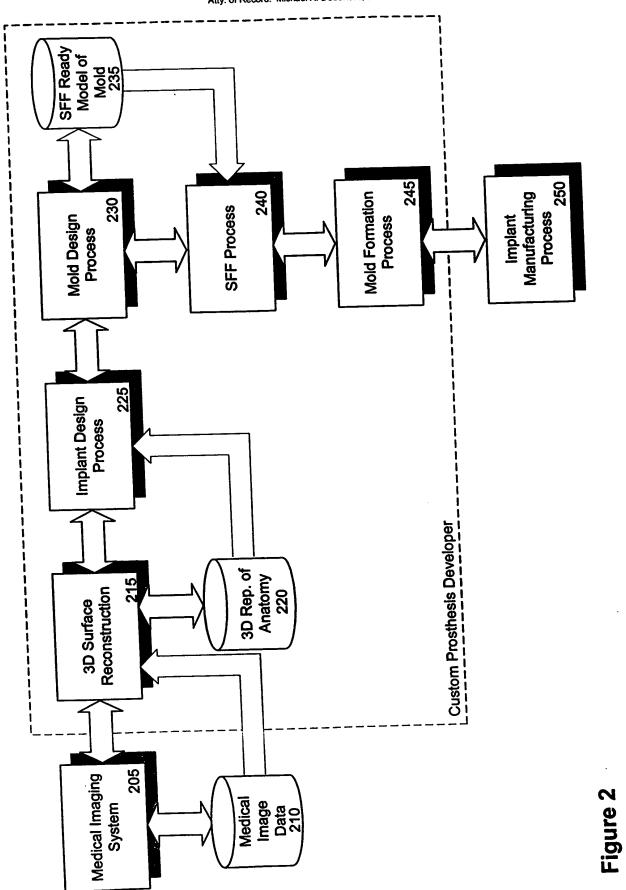
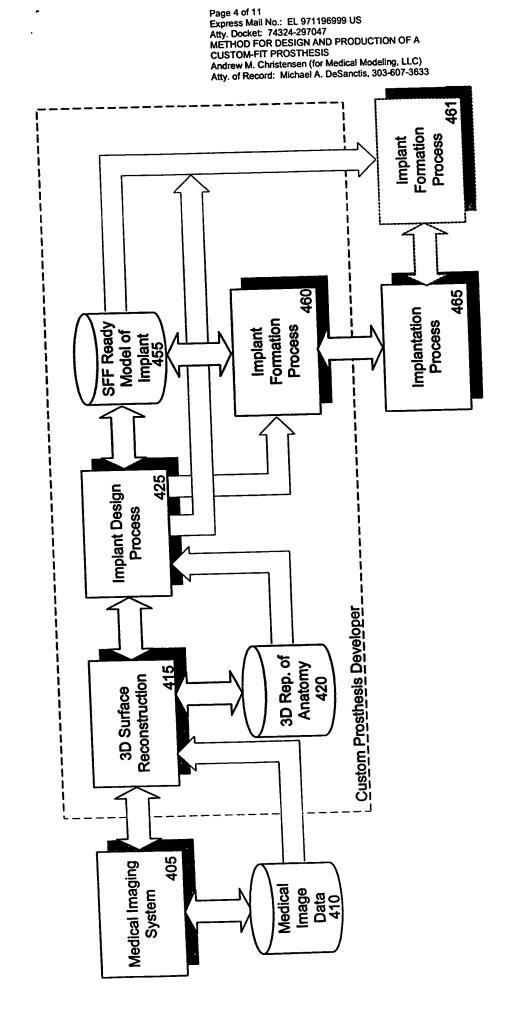


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METHOD FOR DESIGN AND PRODUCTION OF A
CUSTOM-FIT PROSTHESIS
Andrew M. Christensen (for Medical Modeling, LLC)
Atty. of Record: Michael A. DeSanctis, 303-607-3633



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Andrew M. Christensen (for Medical Modeling, LLC)
Atty. of Record: Michael A. DeSanctis, 303-607-3633 SFF Ready Model of Mold 335 Implant Manufacturing Process 350 345 Mold Formation Process 340 330 SFF Process Mold Design Process 325 Implant Design Process Custom Prosthesis Developer. 3D Rep. of Anatomy 320 315 Reconstruction 3D Surface Medical Imaging System 305 Medical Image Data 310

Figure 3



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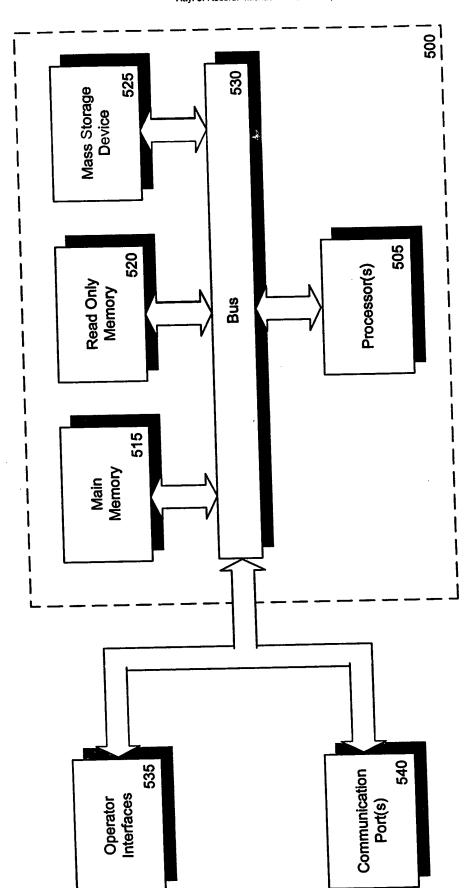
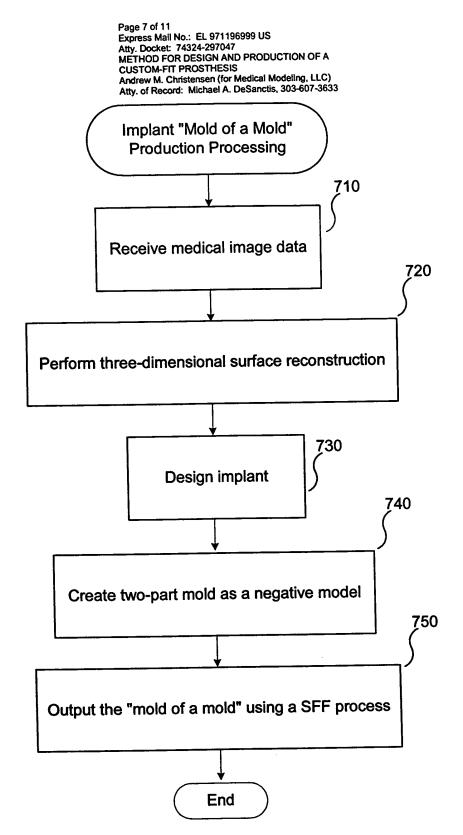


Figure 5

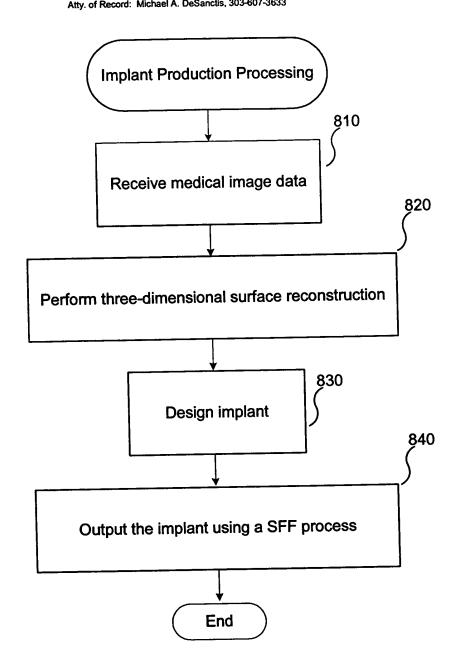
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Andrew M. Christensen (for Medical Modeling, LLC)
Atty. of Record: Michael A. DeSanctis, 303-607-3633 **Implant Mold Production Processing** 610 Receive medical image data 620 Perform three-dimensional surface reconstruction 630 Design implant 640 Model type? Negative-Positive-670 650 Create two-part mold as a Create two-part mold as a negative model positive model 680 660 Output the "mold of a Output the final mold mold" using a SFF using a SFF process process 690 Form the final mold in desired material

End

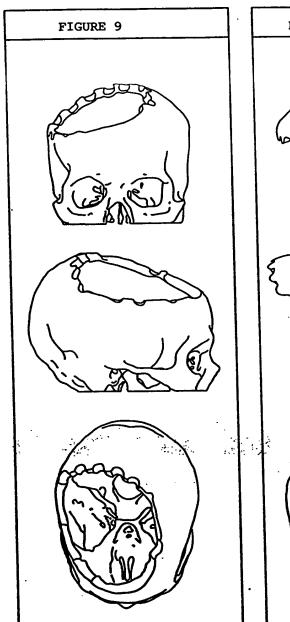
Figure 6

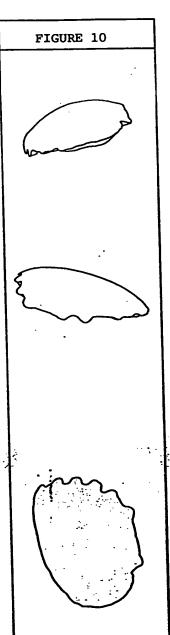


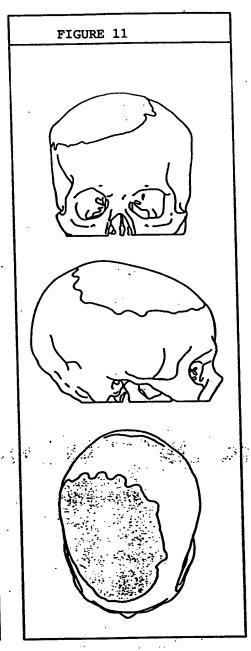
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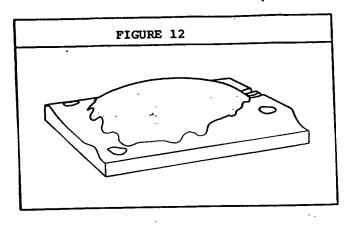
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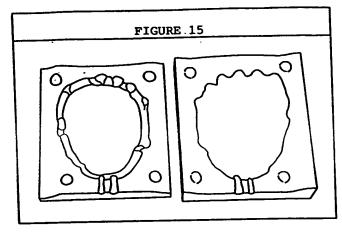


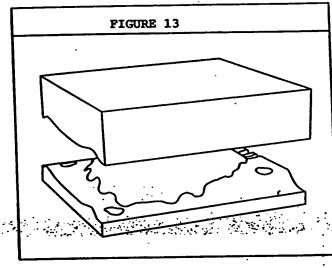


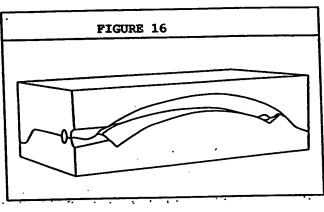


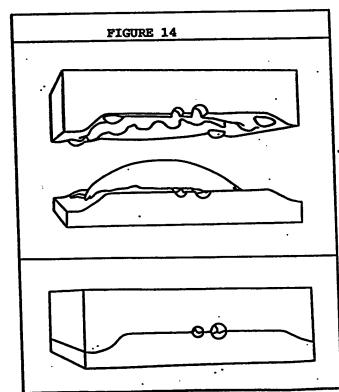
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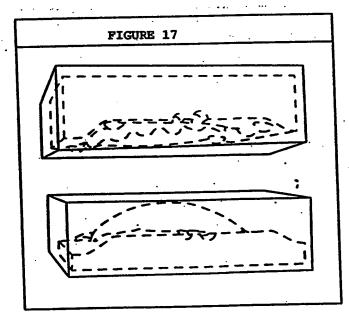












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